

FIG. 1

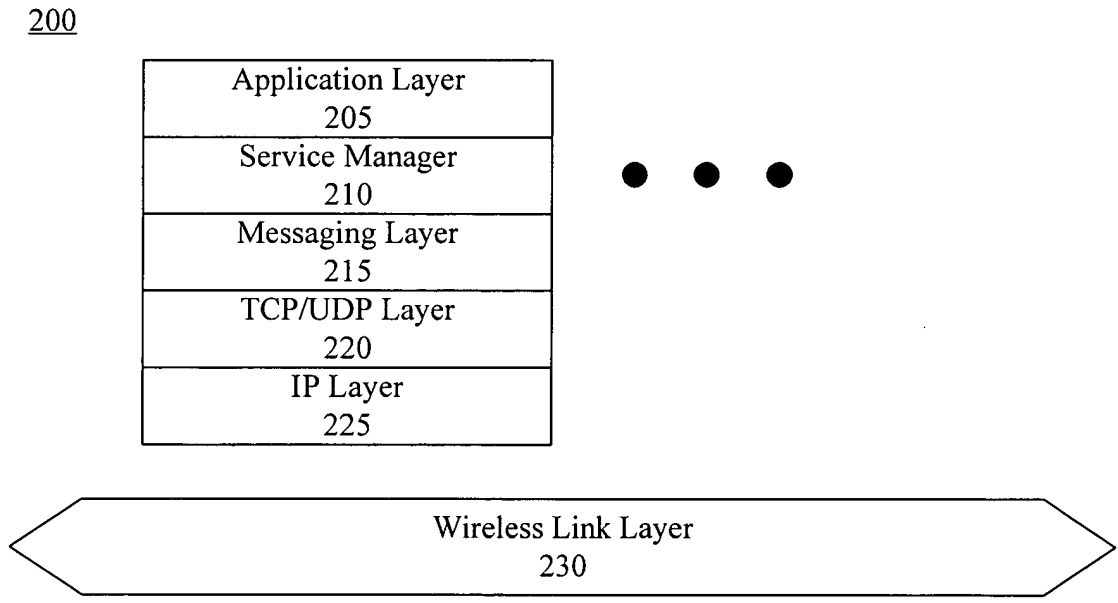


FIG. 2

300

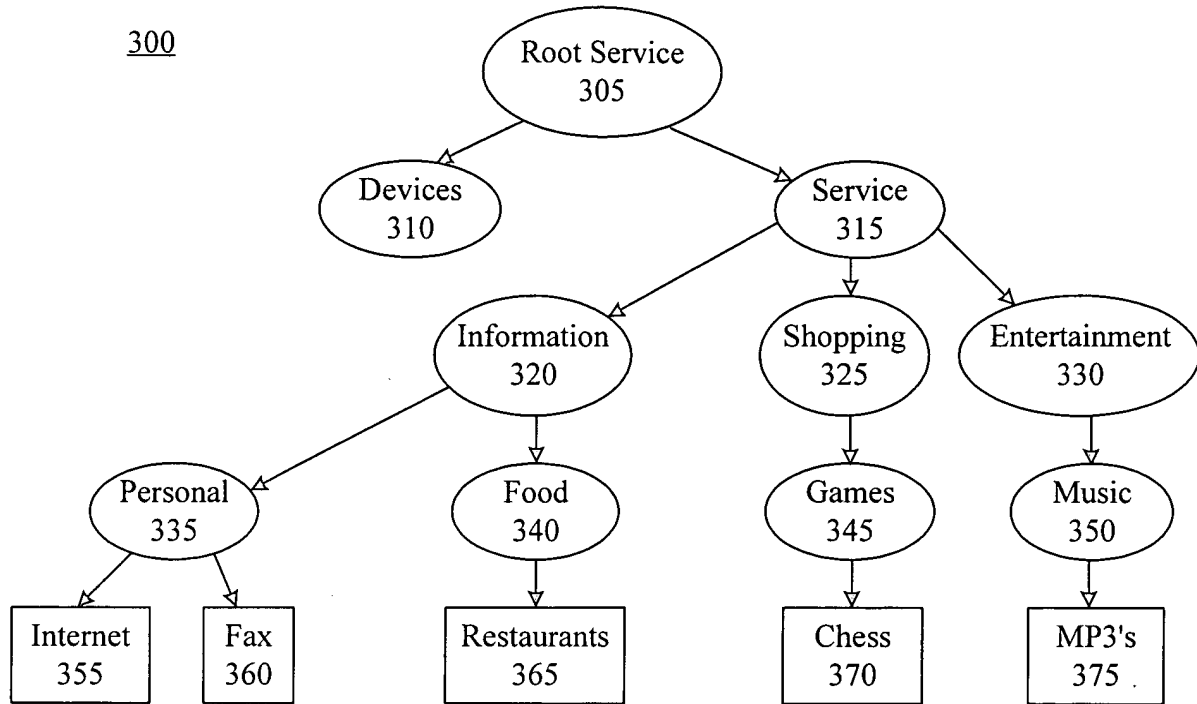


FIG. 3

400

Path or Keyword 405	PORT 410
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FIG. 4

500

Service Name 505	Path 510	Type 515	URL 520	TTL 525
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FIG. 5

600

```

<Service>
  <-- Name of the service -->
  <ServiceName></ServiceName>
  <-- Type of servivce -->
  <ServiceType></ServiceType>
  <-- Keywords – For matching search requests -->
  <KeyWords>
    <Word></Word>
  </KeyWords>

  <-- Properties: Characteristics of the service -->
  <Properties>
    <-- Properties: A combination of name, user-friendly description, and value -->
    <Property>
      <Name></Name>
      <Description></Description>
      <Value></Value>
    </Property>
  </Properties>

  <-- Available functions -->
  <Functions>
    <Functoin>
      <-- Name of the function in the service object -->
      <Name></Name>
      <-- User friendly description -->
      <Description></Description>
      <-- Parameters required to invoke the function -->
      <Parameter>
        <Name></Name>
        <Type></Type>
        <Description></Description>
      </Parameter>
      <-- Return type for the function -->
      <ReturnParameter>
        <Name></Name>
        <Type></Type>
        <Description></Description>
      </ReturnParamenter>
    </Function>
  </Funcions>
</Service>

```

FIG. 6

700

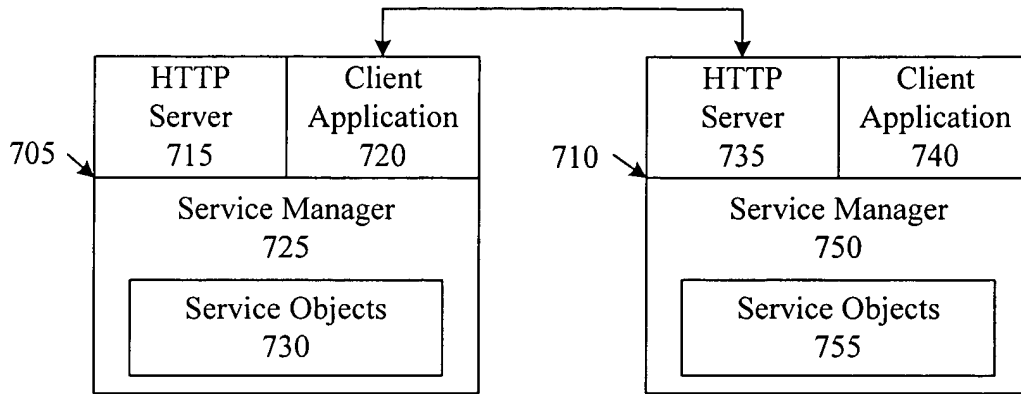


FIG. 7

800

```
POST 169.64.32.10 HTTP /1.1
SOAPACTION Music for you!
(other HTTP Headers)
<SOAP:Envelope xmlns:SOAP="urn:schemas-xmlsoap-org:soap.v1">
<SOAP:Body>
<MethodName>GetSong</MethodName>
<Parameters>
    <Parameter>clip.wma</Parameter>
</Parameters>
</SOAP:Body>
</SOAP:Envelope>
```

FIG. 8

900

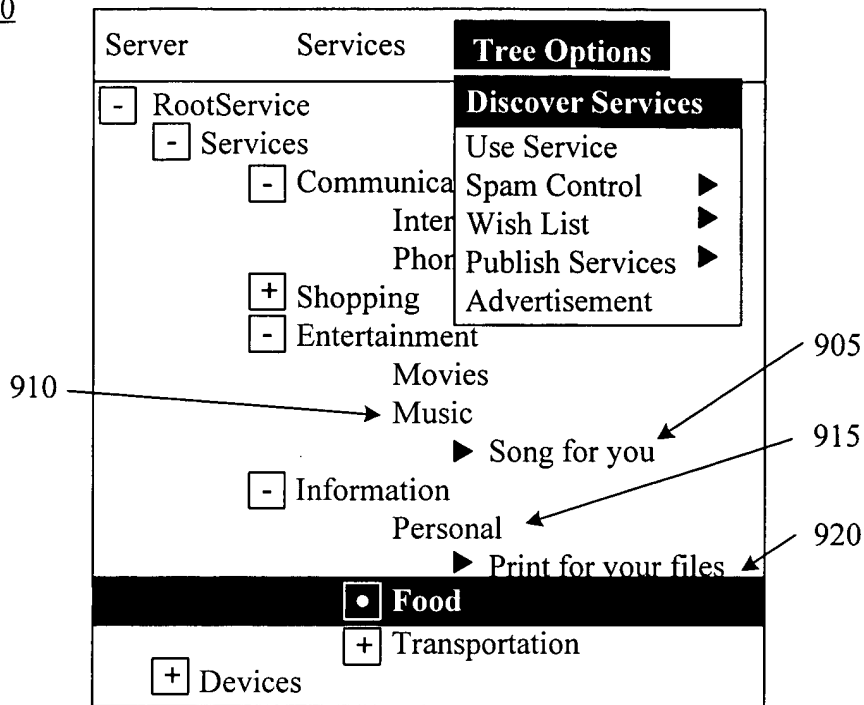


FIG. 9

1000

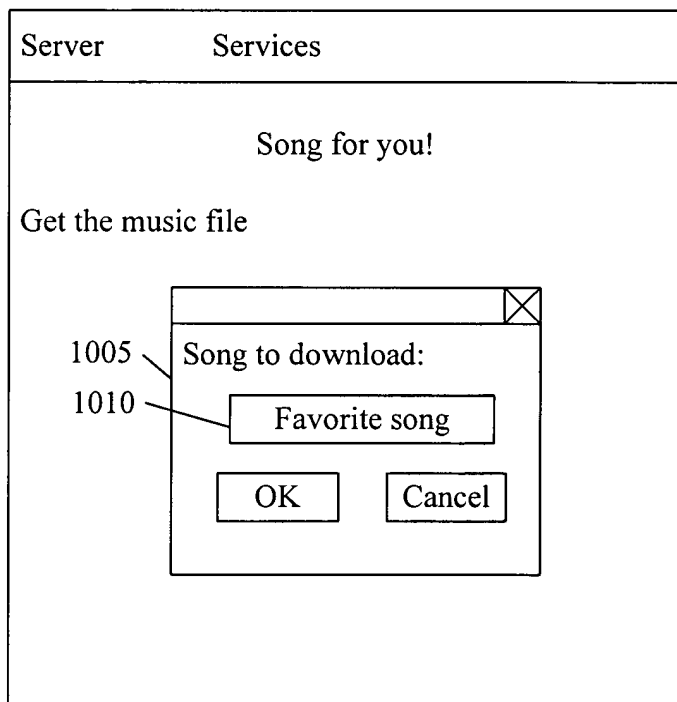


FIG. 10

1100

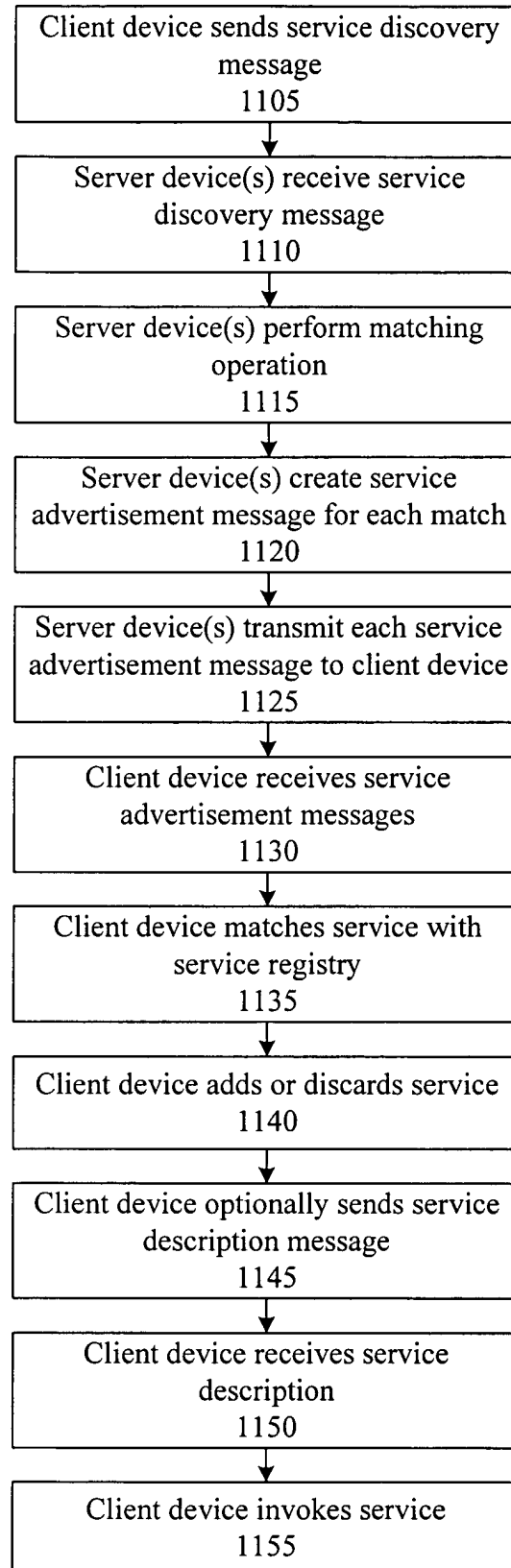


FIG. 11

1200

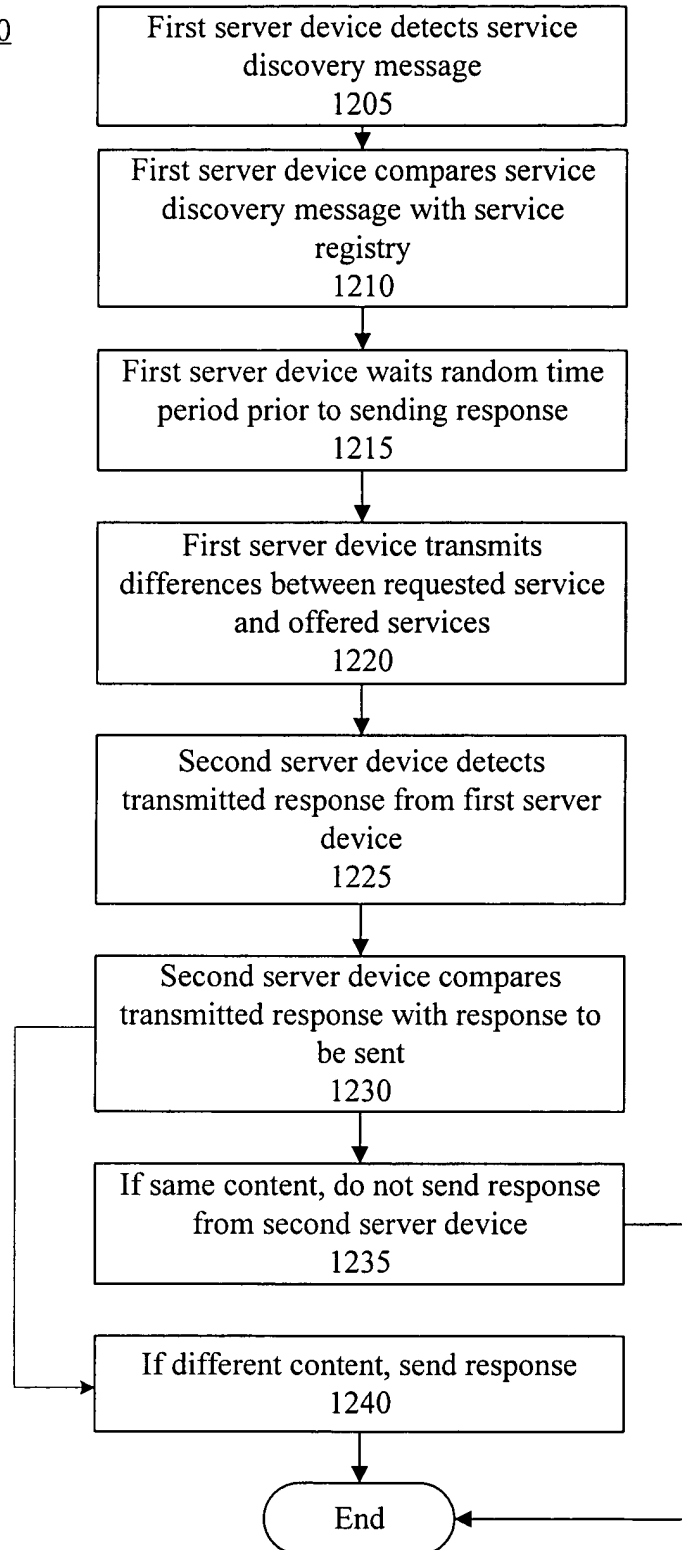


FIG. 12